

Title (en)
IMPROVEMENTS IN DAMPERS

Title (de)
VERBESSERUNGEN BEI DÄMPFERN

Title (fr)
PERFECTIONNEMENTS APPORTÉS À DES AMORTISSEURS

Publication
EP 3743637 A1 20201202 (EN)

Application
EP 18814825 A 20181129

Priority
• GB 201801231 A 20180125
• EP 2018083032 W 20181129

Abstract (en)
[origin: WO2019145071A1] A piston and cylinder type damper has a cylinder (12) with a longitudinal axis (x) containing damping fluid. A piston assembly (10) is mounted in the cylinder (12) for reciprocal movement along the axis (x). The piston assembly (10) divides the interior of the cylinder (12) into two chambers (A, B), and provides a pathway for flow of damping fluid between them. The pathway includes a control passage (24) for restricting flow of damping fluid across the piston assembly (10). A sealing element (21) is provided for selectively sealing the piston assembly (10) against the cylinder (12). The control passage (24) and the sealing element (21) are arranged to be positioned at axially spaced apart locations.

IPC 8 full level
F16F 9/34 (2006.01); **F16F 9/19** (2006.01); **F16F 9/20** (2006.01); **F16F 9/32** (2006.01); **F16F 9/36** (2006.01); **F16F 9/516** (2006.01)

CPC (source: EP US)
F16F 9/19 (2013.01 - EP US); **F16F 9/3228** (2013.01 - EP US); **F16F 9/3405** (2013.01 - EP); **F16F 9/3415** (2013.01 - EP);
F16F 9/368 (2013.01 - EP US); **F16F 9/516** (2013.01 - EP); **F16F 9/20** (2013.01 - EP US)

Citation (search report)
See references of WO 2019145071A1

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2019145071 A1 20190801; CN 111587328 A 20200825; CN 111587328 B 20220517; EP 3743637 A1 20201202; EP 3743637 B1 20220223;
GB 201801231 D0 20180314; US 2021048083 A1 20210218

DOCDB simple family (application)
EP 2018083032 W 20181129; CN 201880085809 A 20181129; EP 18814825 A 20181129; GB 201801231 A 20180125;
US 201816963174 A 20181129